RB 255, 136

Presented to the
LIBRARIES *of the*
UNIVERSITY OF TORONTO
by
Patricia Proctor

L. *Track of His Majesty's armed Brig* Lion *from* England *to* Davis's Streights *and* Labrador, *with Observations for determining the Longitude by Sun and Moon and Error of Common Reckoning; also the Variation of the Compass and Dip of the Needle, as observed during the said Voyage in* 1776. *By Lieutenant* Richard Pickersgill, *late Commander of the said Vessel; communicated by* Nevil Maskelyne, *D. D. F. R. S. and Astronomer Royal.*

N. B. The day is set down according to the log-book.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants ☉'s alt.	As read off quadrants ☽'s alt.	Distance observed.	Azimuths.	Variations.	N° of obs.	Errors of quadrant.	Winds.	Remarks, &c.
	h ′ ″	° ′	° ′	° ′	°	′ ″	° ′ ″	° ′ ″	° ′ ″	° ′	° ′				
		N	W	W			L.L.	L.L.		NW	W		☽ alt. +1		
June 10	20 0 8	49 20	6 26	6 36	61	0 10	36 32 40	42 55 40	61 16 30	– –	– –	3	☉ – 1	S	cilly isles about North of us.
	Noon.	49 23A	7 5	7 15	61	0 10	– – –	– – –	– – –	– –	– –	–	– –	S	Lizard East of us.
11	Noon.	49 20A	8 36	9 3	63	0 27	– – –	– – –	– – –	– –	– –	–	– –	NW	Squally with rain; a great swell
12	7 P.M.	49 12	9 25	9 52	–	– –	6 48 20	– – –	– – –	37 46	24 21	3	– –	NW	An unsteady sea, though the compass stood pretty well.
	D° nearly.	49 12	9 26	9 53	–	– –	4 25 0	– – –	– – –	34 37	24 39	6	– –		
	Noon.	48 3A	10 9	10 58	62	0 49	– – –	– – –	– – –	– –	– –	–	– –	NW	Under courses.
13	Noon.	46 55A	11 0	12 14	61	1 14	– – –	– – –	– – –	– –	– –	–	– –	WSW	Much rain, &c.
14	Noon.	47 8*	11 22	12 37	61	1 15	– – –	– – –	– – –	– –	– –	–	– –	WSW	Strong gales with rain.
15	Noon.	47 59*	12 12	13 43	60	1 31	– – –	– – –	– – –	– –	– –	–	– –	SW	More moderate.
16	Noon.	48 22*	13 36	15 33	62	1 57	– – –	– – –	– – –	– –	– –	–	– –	WNW	Moderate and clear; a great swell.
17	Noon.	49 13*	14 21	16 29	61	2 8	– – –	– – –	– – –	– –	– –	–	– –	SW	Little winds and clear weather.
	7 P.M.	49 33	14 20	16 28	–	– –	15 50 0	– – –	– – –	48 30	– –	3	– –	– –	These I have not worked.
18	7 P.M.	49 33	14 20	16 28	–	– –	15 35 0	– – –	– – –	55 40	– –	3	– –	NE	A fine pleasant day.
	Noon.	50 11*	15 59	18 33	60	2 34	– – –	– – –	– – –	– –	– –	–	– –	– –	
19	Noon.	50 45*	16 50	19 37	62	2 47	– – –	– – –	– – –	– –	– –	–	– –	SE	Fine weather.
20	Noon.	52 2A	19 5	22 31	59	3 26	– – –	– – –	– – –	– –	– –	–	– –	SW	Hazy at times.
								L.L.							
21	7 31 0	52 30	18 42	22 27	–	3 45	5 31 50	32 6 50	54 1 50	– –	– –	6	☉ – 2 50	– –	Considering the height of the Sun these not bad ones; air clear.
		52 30	19 10	22 27	–	3 17	4 13 0	30 10 10	54 1 30	– –	– –	6	☉ – 1 0	– –	
	Noon.	53 21*	19 16	22 50	57	3 34	– – –	– – –	– – –	– –	– –	–	– –	NW	Coming on to blow hard.
								L.L.							
22	3 38 24	53 27	19 45	22 55	–	3 10	39 20 40	46 37 40	63 50 55	– –	– –	6	– –	– –	The log between these and the last agrees pretty well.
	2 53 40	53 27	19 37	22 55	–	3 18	45 35 6	43 53 26	63 35 26	– –	– –	9	– –	– –	
	Noon.	53 45A	18 16	22 8	58	3 42	– – –	– – –	– – –	– –	– –	–	– –	WNW	Strong gales.
23	Noon.	54 53A	16 53	21 8	59	4 5	– – –	– – –	– – –	– –	– –	–	– –	WNW	Strong gales, vessel drifts very fast to the Eastward.
24	Noon.	55 36*	14 30	19 47	61	5 17	– – –	– – –	– – –	– –	– –	–	– –	NW	
								U.L.							Dip.
25	4 6 20	55 25	13 54	19 50	–	5 56	34 55 10	26 47 0	96 50 0	– –	– –	6	☽ +8 30	– –	Face E. mark up, 56 30
	4 14 8	55 25	14 6	19 50	–	5 44	33 50 30	27 27 0	96 53 25	– –	– –	6	☽ +8 30	– –	Face W. ditto, 75 0
	4 35 32	55 25	13 58	19 50	–	5 52	30 52 10	29 8 30	97 0 55	– –	– –	6	☽ +8 30	– –	Face W. mark down, 74 0 } 75
	Noon.	56 18*	14 25	20 8	59	5 43	– – –	– – –	– – –	– –	– –	–	– –	WNW	Face E. ditto, 74 30 }
26	Noon.	57 18*	14 40	20 10	58	5 30	– – –	– – –	– – –	– –	– –	–	– –	NNW	Fine Day.
								U.L.					☽ +1 30		Moderate weather.
27	5 33 56	57 15	15 32	20 26	–	4 54	22 47 20	17 44 20	119 56 5	– –	– –	6	☉ – 1 0	E	A very good set.
	Noon.	57 4*	16 31	21 7	58	4 36	– – –	– – –	– – –	– –	– –	–	– –	NW	Foggy weather, like the banks of Newfoundland, water smooth.
28	Noon.	56 38*	17 44	22 20	61	4 36	– – –	– – –	– – –	– –	– –	–	– –	N	
29	3 P.M.	– –	– –	– –	–	– –	– – –	– – –	– – –	– –	– –	–	– –	– –	Calm, tried soundings, and got ground at 320 fathoms; drifted to the N.E. about two miles, and sounded again in 290 fathoms, fine white sand: at the same time saw a shag, gulls, and other signs of land not far from hence. By running about 19 miles NE by N. lost soundings, so bore away, calling it the Lion's Bank.
	Noon.	57 0	18 2	22 38	58	4 36	– – –	– – –	– – –	– –	– –	–	– –	SW	Swell from the Southward.
30	Noon.	57 52A	21 32	26 8	58	4 36	– – –	– – –	– – –	– –	– –	–	– –	SE	Carried away the fore-yard.
July 1	Noon.	58 25*	25 31	30 2	54	4 31	– – –	– – –	– – –	– –	– –	–	– –	SSW	S.W. swell, lost all our birds.
2	P.M.	58 25	26 10	30 41	–	– –	24 40 0	– – –	– – –	53 33	32 5	3			
	Noon.	58 20*	29 35	34 6	54	4 31	– – –	– – –	– – –	– –	– –	–	– –	SW	
3	P.M.	58 0	30 29	35 0	–	– –	16 34 40	– – –	– – –	38 40	34 42	3	– –	– –	Very good observations and the vessel steady, when made.
	P.M.	58 0	30 29	35 0	–	– –	15 35 30	– – –	– – –	36 30	35 16	6	– –	– –	
	P.M.	58 0	30 29	35 0	–	– –	14 46 40	– – –	– – –	34 49	35 41	6	– –	– –	
	Noon.	58 3	30 56	35 27	57	4 31	– – –	– – –	– – –	– –	– –	–	– –	NE	Cape Farewell's lat. 59° 38′ N. long. by obs. 42° 42′ W.
4	Noon.	58 38	34 24	30 55	48	4 31	– – –	– – –	– – –	– –	– –	–	– –	NE	
5	Noon.	59 12	37 28	41 59	50	4 31	– – –	– – –	– – –	– –	– –	–	– –	NE	
6	Noon.	59 11	41 16	45 47	48	4 31	– – –	– – –	– – –	– –	– –	–	– –	ENE	The Eastermost part of it.
7	4 0 0	59 24	42 5	46 36	–	4 31	– – –	– – –	– – –	– –	– –	–	– –	– –	Saw Cape Farewell bearing N by W. by compass, distance about 7 or 8 leagues.

A Continuation of the Track of His Majesty's armed Brig Lion, from Cape Farewell along the West Coast of Greenland, for the Determination of the Position of the Coast, as likewise the Dip, Variation, &c.

Days of the Month	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade	Error of common reckoning	Log time as read off quadrants ⊙'s alt.	Log time as read off quadrants ☽'s alt.	Distance observed.	Azimuths.	Variations.	No. of obs.	Error of quad.	Winds.	Remarks, &c.
	h ′ ″	° ′ ″ N	° ″	° ″	°	° ′ ″	° ′ ″ L.L.	° ′ ″ U.L.	° ′ ″	° ′ NW	° ′	°			
							24 19 0	36 52 0	76 11 30						Very good observation; water smooth; amongst a field of ice.
July 8	18 52 22	59 46 0	46 47½	48 47	–	2 0 30	24 36 30	36 53 0	76 11 0	– –	– –	—	None.	N	Land from NE to SE, distance off 8 or 10 leagues, making in deep bays.
							24 42 0	36 53 0	76 10 0						
							24 32 30	36 52 40	76 10 50						
	Noon	59 44 0	46 42	49 10	40	2 28 0	– –	– –	– –	– –	– –	—	– –	SE	Clear weather; fast in the ice.
							23 37 0			44 30					Water smooth; land at NE to SW 5 leagues.
	6 0 0	59 53 0	46 19	48 47	–	– – –	23 31 0	– –	– –	44 0	41 38	—	None.	– –	Dip, Face E mark end down, 76 50
							23 25 0			44 0					Face W ditto, – – 77 0
															Poles changed, Face W ditto up, 76 15
							23 32 0			44 10					Face E ditto, — 76 35
9	Noon.	60 1 0	46 13	49 40	38	3 27 0	– –	– –	– –	– –	– –	—	– –	N	
10	Noon.	60 12 0	47 18	51 21	38	4 3 0	– –	– –	– –	– –	– –	—	– –	NNW	Hazy, no land in sight.
11	Noon.	60 30 0	47 38	51 41	36	4 3 0	– –	– –	– –	– –	– –	—	– –	Variab.	Much ice.
							21 42 0			44 0					
12	6 0 0	– –	– –	– –	–	– –	21 39 0			44 0	39 0	—	None.	– –	*Cape Desolation E 4 leagues.* Soundings at 146 fathoms.
							21 34 0			45 0					
							21 38 0			44 15					
							17 53 0			39 0					
12	6 30 0	60 40 0	47 45	– –	–	– – –	17 48 0	– –	– –	39 0	38 20	—	None.	– –	Very good.
							17 44 0			38 30					
							17 48 0			38 50					
										SE					
							20 0 0			58 0					These observations were made close to one of the ice glances, which I did not find had any effect on the compass as some have imagined. Had very irregular soundings from 80 to 105 fathoms about 4 leagues of the land, which is high and ragged, being mostly covered with snow and ice.
							20 11 0			58 0	41 0	—	None.	– –	
							20 20 0			57 30					
							20 10 0			57 50					
	20 0 0	61 4 0	48 0	– –	–	– – –	20 32 0	– –	– –	57 40					
							20 40 0			57 40	40 52	—	None.	– –	
							20 45 0			56 10					
							20 39 0			57 10					
	Noon.	61 28 0	48 9	52 12	40	4 2	– –	– –	– –	– –	– –	—	– –	E	Land from SSE to NE.
							15 28 0			53 0					Dip of the needle, mean 80 50
							15 33 0			54 0	48 58	—	None.	– –	The large ice glance NE about 5 or 6 leagues off.
							15 39 0			54 0					
							15 33 0			53 40					
							18 4 0			52 0					Tried the dipping needle, the mean of the four sights gave 81 10.
							18 11 0			52 30	49 46	—	None.	– –	
13	19 0 0	62 4 0	48 0	– –	–	– – –	18 15 0	– –	– –	52 30					
							18 10 0			52 20					
							23 37 0			46 0					About 5 leagues off shore, the land high, and the sounds filled with frozen snow, even to the tops of the hills.
							23 42 0			46 0	45 22	—	None.	– –	
							23 47 0			46 30					
							23 42 0			46 10					
	Noon.	62 11 0	48 0	52 3	39	4 2	– –	– –	– –	– –	– –	—	– –	Calm.	Dip of the needle 81 30.
										NW					
							25 2 0			42 0					Many isles off this part of the coast, and soundings about 12 leagues off, though none close in.
							25 0 0			43 0	46 54	—	None.	– –	
							24 58 0			43 0					
							25 0 0			42 40					
							17 56 0			28 40					
14	7 0 0	62 12 0	48 15	– –	–	– – –	17 46 0	– –	– –	27 40	48 17	—	None.	– –	Clear weather.
							17 40 0			28 30					
							17 47 0			28 3					
	Noon.	62 50 0	49 0	53 3	40	4 2	– –	– –	– –	– –	– –	—	– –	N	Land from N 30 E to S 2 E 3 leagues off.
15	Noon.	63 14 0	49 53	53 56	41	4 2	– –	– –	– –	– –	– –	—	– –	SW	Thick weather; land NE to SSE 4 leagues off.
16	Noon.	64 38 0	51 26	55 32	42	4 6	– –	– –	– –	– –	– –	—	– –	SW	Thick weather; fell in with a ridge of rocks, 28 miles E. from hence. This day's Southerly wind found the ship 17 miles to the N. of account.
17	Noon.	64 57 0	52 56½	– –	–	– –	– –	– –	– –	– –	– –	—	– –	– –	At anchor in an harbour, called Musketto Cove, until the 27th.
							Double being reflected hor.		Nearest L.						
							68 48 0		68 1 0						These observations were made on shore with a reflected horizon, and the latitudes settled by many good meridian altitudes; the weather fine and clear, so that I can answer for the observations, though not for the working.
							68 18 0		68 3 0						
21	3 25 15	64 55 13	52 53½	– –	61	– –	68 0 0	– –	68 4 0	–	– –	—	– –	– –	
							67 40 0		68 5 0						
							67 18 0		68 6 15						
							67 10 0		68 6 0						
							67 52 20		68 4 12						

A further

A further Continuation of the Track of His Majesty's armed Brig Lion, from Mosketto Cove, Greenland, to the End of Davis's Straits, &c.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reckoning	Log time as read off quadrants ⊙'s alt.	Log time ☽'s alt.	Distance observed.	Azimuths.	Variations.	No of Obs.	Error of quad.	Winds.	Remarks, &c.
	h ′ ″	° ′ ″ N	° ′	° ′	°	° ′ ″	° ′ ″ L.L.	° ′ ″ U.L.	° ′ ″	° ′ NW	° ′	°			
					61 in the day, & 54 in the night.		reflected hor.	– –	68 11 0						By these observations I deduce this Cove to lay in latitude 64 55 13 N. and longitude 52 56 30 W. Variation 50 36 0 W. Dip of the needle 81 22 30 Flow of the tide, spring, 14 f. — — — — neip, 9 f. High water full and change at 10h. 15′ A. M. Dip, Face E mark end down, 82 30 Face W ditto, 81 15 Poles changed, Face W ditto, 80 30 Face E. — — 80 15
							65 35 0	– –	68 12 0						
							65 15 0	– –	68 12 0						
							65 1 0	– –	68 12 30						
July 21	3 43 4	64 55 13	53 0	– –		– –	64 30 0	– –	68 13 0	– –	– –	—	None.	– –	
							64 20 0	– –	68 13 30						
							64 8 0								
									68 12 20						
							64 48 25								
21	4 0 0	64 55 13	52 56½	– –	61	– –	62 49 0	– –	– –	60 0	50 48	—	None.	– –	
21	4 0 0	64 55 13	52 56½	– –	61	– –	66 2 30	– –	– –	66 2½	50 24	—	None.	– –	
27	Noon.	64 49 0	54 25½	58 31	43	4 6	– –	– –	– –	– –	– –	—	– –	N	
28	Noon.	64 40 0	55 29	59 35	39	4 6	– –	– –	– –	– –	– –	—	– –	NNW	No soundings, clear weather.
29	Noon.	65 14 0	58 10	62 16	37	4 6	– –	– –	– –	– –	– –	—	– –	ENE	Little or no ice, and steady weather.
30	Noon.	65 38 0	59 30	63 36	44	4 6	– –	– –	– –	– –	– –	—	– –	– –	Close to a very extensive field of ice, and an appearance of land at the back; the dip of the needle as underneath: Mark end up, face E. 86 0 — — — face W. 85 40 Poles changed, face W. 85 50 — — — face W. 85 30
										SE					
							15 50 0			45 0					
							16 2 0			43 40					
31	19 0 0	65 48 0	59 10	– –		– –	16 29 0	– –	– –	43 0	54 0	—	– –	– –	
							16 7 0			43 50					
31	Noon.	65 49 0	59 8	63 14	29½	4 6	– –	– –	– –	– –	– –	—	– –	– –	
Aug. 1	Noon.	65 46 0	58 19	62 25	40	4 6	– –	– –	– –	– –	– –	—	– –	– –	Sailing along the field of ice to the N. E. rigging froze
2	Noon.	65 36 0	58 19	62 25	42	4 6	– –	– –	– –	– –	– –	—	– –	– –	Lost sight of the ice.
3	Noon.	66 53 0	58 8	62 14	40	4 6	– –	– –	– –	– –	– –	—	– –	S	Saw another large field of ice to the Eastward. These four days sometimes thick fog, and others clear weather, a heavy swell from the South.
4	Noon	67 43 0	58 50	62 56	36	4 6	– –	– –	– –	– –	– –	—	– –	– –	
5	Noon.	68 10 0	56 46	60 52	38	4 6	– –	– –	– –	– –	– –	—	– –	– –	At 12 this night was in latitude 68 14, and nearly the same longitude as at noon.
6	Noon.	67 32 0	58 41	62 47	40	4 6	– –	– –	– –	– –	– –	—	– –	– –	Vast quantity of very large ice islands, and a great sea, with thick weather.
7	Noon.	67 20 0	56 17	60 23	42	4 6	– –	– –	– –	– –	– –	—	– –	– –	Fresh gales; thick weather, and ice islands.
8	Noon.	67 10 0	55 11	59 17	41	4 6	– –	– –	– –	– –	– –	—	– –	– –	Saw high land bearing N. E. distance 20 leagues, a great swell, and little wind.
9	Noon.	66 40 0	55 1	59 7	43	4 6	– –	– –	– –	– –	– –	—	– –	– –	Light airs all this day; the land appearing high, and in many places covered with snow.
10	Noon.	66 40 0	57 15	61 21	40	4 6	– –	– –	– –	– –	– –	—	– –	– –	Little winds from the S. W. about four leagues from the land soundings from 60 to 25 fathoms, sandy ground.
										NW					
							15 20 0			39 0					Standing in and out to get to the southward, wind S. W. blows strong.
							15 17 0			37 0					
							15 12 0			39 0					
							15 5 0			38 30					
11	7 0 0	66 38 0	56 48	– –		– –	15 1 0	– –	– –	39 0	not worked.	—	– –	– –	When these observations were taken Mount Cuningham bore SSE, distance about six leagues, depth of water 65 fathoms, sandy ground.
							14 57 0			40 0					
							15 10 30			38 45					
11	Noon.	66 30 0	56 31	60 37	46	4 6	– –	– –	– –	– –	– –	—	– –	– –	Land from SE to ENE. seven leagues off no soundings.
							12 4 0			23 30					
							11 47 0			24 30					
							11 37 0			22 30					
							11 26 0			22 20					
12	7 30 0	66 26 0	56 15	– –		– –	11 19 0	– –	– –	21 0	56 54	—	None.	– –	
							11 14 0			21 30					
							11 34 30			22 32					When these observations were taken there was little ice in sight, the weather fine, sea smooth, the land from E. to SSW. which was high and about 12 leagues off, being that part named Christian Sonnd, and where the Danes for some years worked a silver mine, and as this coast has in many places strong appearances of iron ore, this may be one, and in all probability may occasion this high variation.
							4 37 0			5 0					
							4 28 0			5 45					
							4 25 0			6 0					
							4 21 0			6 40					
12	7 45 0	66 27 0	56 15	– –		– –	4 15 0	– –	– –	4 30	55 50	—	None.	– –	
							4 12 0			3 50					
							4 8 0			5 0					
							4 5 6			4 40					
							4 19 0			5 11					
12	Noon.	66 2 0	56 45	60 51	44	4 6	– –	– –	– –	– –	– –	—	– –	SW	Land in sight.
							7 25 0			23 10					
							7 16 0			23 45					
							7 7 0			21 40					
13	8 0 0	65 58 0	55 49	– –		– –	6 57 0	– –	– –	22 45	47 23	—	None.	– –	The extremes of the land from NE. to SW. distance six leagues.
							6 44 0			22 5					
							6 37 0			20 30					
							7 0 40			22 19					
13	Noon.	66 7 0	54 43	58 49	53	4 6	– –	– –	– –	– –	– –	—	– –	– –	Within one mile of the mouth of a rocky river, with a rapid tide
14	Noon.	65 12 0	55 52	59 58	50	4 6	– –	– –	– –	– –	– –	—	– –	SBE	Land from E. to ENE. very high.
15	Noon.	65 22 0	56 12	60 18	40	4 6	– –	– –	– –	– –	– –	—	– –	– –	Hard gales with much rain, and a great sea, wind SWBS, weather thick.
16	Noon.	– –	56 50	60 56	42	4 6	– –	– –	– –	– –	– –	—	– –	WSW	Thick close weather, with little wind.
17	Noon.	65 22 0	55 29	59 35	44	4 6	– –	– –	– –	– –	– –	—	– –	SSW	Foggy weather.
18	Noon.	65 3 0	54 2	58 58	–	4 6	– –	– –	– –	– –	– –	—	– –	– –	The land like Islands. Caught many large hollibutts.
19	4 0 0	64 32 0	53 50	– –	–	– –	– –	– –	– –	– –	– –	—	– –	– –	Dip, mark end up, face E. 83 30 — — — face W. 84 40 Poles changed, face W. 85 0 — — — face E. 85 0

A Track of His Majesty's armed Brig Lion, from Davis's Straits to the Coast of Labradore.

Days of the Month.	Time.	Latitude.	Long. by last observ.	Long. by ship's reck.	Therm. in the shade.	Error of common reck.	As read off quadrants ⊙'s alt.	As read off quadrants ☽'s alt.	Distance observed.	Azimuths.	Variations.	N° of obs.	Errors of quadrant.	Winds.	Remarks, &c.
	h ′ ″	° ′	° ′	° ′	°	′ ″	° ′ ″	° ′ ″	° ′	° ′	° ′				
							L.L.	U.L.							
Aug. 19	Noon.	64 43 0	53 25	58 31	41	4 6	– –	– –	– –	– –	– –	—	– –	– –	The land near Balls River in sight, making in Islands.
							33 12 0	16 33 0	60 0 30						
							33 5 0	16 39 0	60 1 30						
							33 0 0	16 42 0	60 2 0						
							32 57 0	16 45 0	60 4 0						
19	2 16 0	64 34 0	52 30	– –	–	– –	32 54 0	16 47 0	60 4 0	– –	– –	—	– –	– –	
							32 50 0	16 51 0	60 5 0						
							32 49 40	16 42 50	60 2 50						
							32 42 0	16 59 0	60 5 30				None.	– –	These observations are very good ones, yet as they give too little, and disagree with the rest, I did not pay much regard to them, nor alter the track, as I cannot answer for the working of them.
							32 36 0	17 3 0	60 6 0						
							32 31 0	17 7 0	60 7 0						
							32 27 0	17 10 0	60 8 0						
19	2 22 0	64 34 0	52 50	– –	–	– –	32 22 0	17 12 0	60 9 0	– –	– –	—	– –	– –	
							32 20 0	17 14 0	60 10 0						
							32 29 40	17 7 30	60 7 35						
20	Noon.	64 33 0	54 35	58 41	–	4 6	– –	– –	– –	– –	– –	—	– –	– –	A very heavy gale of wind, which obliged us to throw overboard the guns we had on deck.
21	Noon.	63 56 0	54 15	58 21	36	4 6	– –	– –	– –	– –	– –	—	– –	– –	This night, for the first time (the gale being over and fine weather), saw the aurora borealis, which began in the SE. quarter, but was neither so strong nor so beautiful as in the southern hemisphere.
							5 30 0	10 40 0	84 9 0						
							5 19 0	10 38 0	84 11 0						
							5 6 0	10 36 0	84 11 0						
							4 54 0	10 32 0	84 12 0						
21	A.M.	63 36 0	53 20	– –	–	– –	4 42 0	10 25 0	84 11 0	– –	– –	—	– –	– –	By the observations on the 19th, I find the error of the common reckoning to have increased 55 miles, and by these to have increased 50 miles; therefore shall alter the track to the observations, as I think them a sufficient confirmation of the truth.
							4 28 0	10 23 0	84 13 0						
							4 59 50	10 32 20	84 11 10						
22	Noon.	62 19 0	53 4	58 3	44	4 59	– –	– –	– –	– –	– –	—	– –	– –	High land EbS distance 12 leagues, which was the last we saw.
23	Noon.	60 58 0	53 14	58 13	–	4 59	– –	– –	– –	– –	– –	—	– –	– –	Moderate breezes, and no ice to be seen.
24	Noon.	60 2 0	52 28	57 27	46	4 59	– –	– –	– –	– –	– –	—	– –	ESE	Ditto, with mists.
25	Noon.	58 4 0	52 46	57 45	52	4 59	– –	– –	– –	– –	– –	—	– –	E	Fresh gales.
26	Noon.	56 17 0	53 38	58 27	54	4 59	– –	– –	– –	– –	– –	—	– –	NE	Fresh gales.
27	Noon.	54 54 0	54 10	59 9	56	4 59	– –	– –	– –	– –	– –	—	– –	NE	Cloudy weather.
28	Noon.	53 4 0	53 15	58 14	56	4 59	– –	– –	– –	– –	– –	—	– –	– –	Saw the first ice Islands on the Labradore.
29	Noon.	53 7 0	52 6	57 5	60	4 59	– –	– –	– –	– –	– –	—	– –	WNW	Much ice.
30	Noon.	53 33 0	53 9	58 8	60	4 59	– –	– –	– –	– –	– –	—	– –	SW	Much ice.
31	Noon.	53 25 0	53 58	58 57	–	4 59	– –	– –	– –	– –	– –	—	– –	– –	Round Hill Island, bore NW. six or seven leagues, which being the eastern part of America, I make it to be in latitude 53 32 N. longitude 54 29 W. of Greenwich.

We anchored in Porcupine Harbour, where we staid until the 26th of September, and from thence proceeded to England; which being a common rout, I shall conclude with a few general observations on this part of the world, so little known and so terribly represented by people who, in order to raise their own merit, make dangers and difficulties of common occurrences; merely because the places are unknown, and there is little or no probability of their ever being contradicted. I do not mean this as a personal reflexion; but having discoursed with many of the masters of Greenland vessels, as well as their employers, and heard such dreadful stories of those countries, I cannot help remarking it as a circumstance equally foolish and ridiculous, tending to mislead those who from a laudable principle would be benefactors to their country, but are deterred from it by such representations; and I appeal to those series of facts for the truth of my assertion. The weather in Davis's Straits is, in the spring and autumn, boisterous; the seas run irregular, like the Gulph of Lions, and other places I could instance (that is short and high); occasioned (I imagine) by the narrowness of the Straits, the many impediments it meets with from the ice, and its being open to the southern parts of the Atlantic Ocean. As the south winds are always the strongest, bring thick weather, and the greatest sea, so the northern ones bring fine clear weather, and are seldom strong. I shall here finish these observations, with the particulars of them, &c. and shall communicate observations on the ice, the atmosphere, the land of Forbisher, and the probability of a north west passage, in a short time.

PRESENTS

MADE TO THE

ROYAL SOCIETY

From June 1777 to July 1778;

WITH

The NAMES of the DONORS.

Donors.	Presents.
1777.	
Nov. 6. Academy of Peterſburg.	Four vols of their Commentaries, viz. 17th, 18th, 19th, 20th. 4°
J. Goth. Stritters.	Memoriæ populorum olim ad Danubium etc. incolentium, 2 vols. 4°
Mr. Euler.	Theorie complete de la conſtruction des Vaiſſeaux. 8°
———	Eclairciſſemens ſur les etabliſſemens publics en faveur tant des veuves que des morts. 4°
———	Inſtruction detaillée pour porter les lunettes au plus haut degré de perfection. 4°
———	Theoria Motuum lunæ. 4°
Mr. R. Robertſon.	A Phyſical Journal kept on board his Majeſty's Ship the Rainbow. 4°
Dr. Layard.	Pharmacopia in uſum Gravidarum. 8°
Ed. Huſſey Delaval, Eſq.	On the changes of Colours in opake bodies. 4°
Dr. Bergius.	Materia Medica è regno vegetabili. 8°
Duc de Chaulnes.	Memoire ſur la veritable entrée du monument Egyptien. 4°
———	Nouvelle Methode pour ſaturer d'air fixe à la fois & en moins d'une minute vint cinq ou trente pintes d'eau. 4°

1777.

Nov. 6.	l'Abbé Rozier.	Journaux Phyſiques pour les mois de Janvier, Fevrier, Mars, Avril, Mai, Juin, 1777. 4°
	Dr. A. Hunter.	New Edition of Evelyn's Sylva. 4°
	Mr. Wales.	Obſervations made during a Voyage round the World. 4°
	Dr. Simmons.	A Diſſertation on Cancerous Diſeaſes. 8°
	———	Account of the Tenia. 8°
	Mr. Gohet.	Eſſays de Jean Rey. 8°
	Mr. Jeaurat.	Connoiſſance des tems pour 1779. 8°
	Sir James Burrow.	A Portrait of himſelf preſented at the requeſt of the Council.
Nov. 13.	Mr. Parkinſon.	A Journal of a Voyage to the South Seas. 4°
	Mr. Larcher.	Memoire ſur Venus. 8°
	Samuel Wegg, Eſq.	Meteorological Journal of the Weather, kept at York Fort Hudſon's bay. fol.
20th.	Mr. Magellan.	Oeuvres de Bernard Paliſſy. 4°
	———	Diſſertation ſur l'origine de la Maladie Venerienne. 8°
	———	Deſcription of a Glaſs Apparatus for making Mineral Waters. 8°
	Dr. Caverhill.	Explanation of Daniel's ſeventy Weeks. 8°
	Leon. Ximenes.	Diſſertatione intorno alle Oſſervazione ſolſtitiali del 1778. 4°
	Mr. Grienfeild.	Dell' Eletricita Terreſtre Atmoſpherica, &c. 8°
	———	Sopra il fulmine Caduto. 12°
27.	Mr. Baretti.	Fungorum Agri Ariminenſis Hiſtoria. 4°
	Lord Grantham.	Obſervaciones Aſtronomicas de Cadiz. 4°
Dec. 11.	M. l'Abbé Needham.	Memoires de l'Academie de Bruxelles, tom. premier. 4°
	Mr. Bouchaud.	Theorie des Traités de Commerce entre les Nations. 8°
	Mr. le Sage.	Experiences ſur l'Alkali Volatil Fluor. 8°
	Mr. Dalebarre.	Memoire ſur le Microſcope. 18°
	Edward Jacob, Eſq.	Plantæ Faverſhamienſes. 8°
	Upſal Academy.	Second Vol. of their Acts. 4°
	Stockholm Academy.	Account of new-invented Stoves for warming Houſes. 4°
	———	Letters concerning Iceland. 8°

1777.		
Dec. 11.	Stockholm Academy.	Theory of the Earth. 8°
		Eſſay de Bâtir ſous l'Eau. 4°
1778.		
Jan. 22.	Odoardo Gherli.	Elementi Teorico pratice del Matematiche pure, tom. VII. 4°
29.	Archbiſhop of Canterbury.	A Liſt of various Editions of the Bible. 8°
Feb. 5.	Mr. Bertier.	Hiſtoire des premiers temps du Monde. 8°
	Mr. Bernoulli.	Nouvelles Literaires de divers Pays. 8°
		Ephemerides Aſtronomicæ. 8°
19.	Mr. Le Roy.	Du Pronoſtic dans les Maladies Aigues 8°
	Charles Rogers, Eſq.	A Collection of Prints in Imitation of Drawings. 2 vols. fol.
Mar. 5.	Mr. Cuth. Clarke.	The Theory and Practice of Huſbandry. 4°
26.	Mr. Wm. Henly.	A ſet of Micrometers in a Shagreen Caſe.
	Mr. Belluga.	The Grammatical Works of Don Gregorio de Mayans, 9 vols. 12°
April 9.	Mr. Tyrwhitt.	The 5th vol. of the new Edition of Chaucer. 8°
	Mr. Mountaine.	A Deſcription of the late Mr. Robertſon's Improvement of the Gunters ſcale as executed by Meſſ. Nairne and Blunt. 8°
April 30.	La Comte Carbari.	Monument élevé à la Gloire de Pierre le Grand. fol.
May 14.	Dr. Horſley.	A Sermon, entitled "Providence and Free-agency." 4°
	Dr. Read.	A Collection of Medical Eſſays. 12°
21.	Dr. A. Hunter.	A Philoſophical Diſc. of Earth. 8°
June 18.	Mr. Jeaurat.	Connoiſſance des temps, pour 1780. 8°
	Mr. Darquier.	Obſervations Aſtronomiques faites à Toulouſe. 4°
	l'Abbé Rozier.	De Cauſis Rom. Juris, tom. IV. pars I. 4°
July 9.	Society of Antiquaries.	Obſervations Phyſiques, tom. X. 4°
		An hiſtorical Deſcription of an ancient Painting at Cowdry in Suſſex.